

## CLAIMS

1. A socket device, comprising:

a plurality of conductors;

5 a socket main body coupled to the plurality of conductors to hold the conductors together and defining a cavity having an opening at least in one surface to expose part of the conductors so that an electric element can be connected to the conductors exposed in the cavity; and

10 a cap having a cap main body for covering at least part of the one surface of the socket main body and attached to the socket main body.

2. The socket device according to claim 1, wherein the electric element is received in the cavity of the socket main body, and the cap attached to the socket main body presses the electric element against the conductors so that  
15 the electric element and the conductors are press-contacted to each other.

3. The socket device according to claim 1, wherein a light emitting element is received in the cavity of the socket main body, and the cap main body comprises an optical function part for processing and/or controlling the  
20 light emitted from the light emitting element.

4. The socket device according to claim 3, wherein the cap main body is light-transmissive and assumes a desired color.

5. The socket device according to claim 3, wherein the cap comprises at least one of a lens, prism, prism mirror, reflector, light conducting member, optical modifier, fluorescent member, and photocatalyst.

5 6. The socket device according to claim 3, wherein the optical function part has a moveable structure for varying an optical function property.

7. The socket device according to claim 1, wherein the cap and the socket main body comprise respective engagement portions that elastically engage  
10 each other.

8. The socket device according to claim 3, wherein the cap main body comprises a base attached to the socket main body, and the optical function part consists of a member separate from the base and is detachably attached  
15 to the base.

9. The socket device according to claim 8, wherein the base comprises a first light conducting member disposed over the light emitting element mounted in the socket main body, while the optical function part comprises a second  
20 light conducting member adapted to be detachably coupled to the first light conducting member.

10. The socket device according to claim 9, wherein the optical function part comprises more than one optical fiber, and the first light conducting member is hollow and provided with a lens for converging the light from the light emitting element toward the more than one optical fiber.

5

11. The socket device according to claim 3, wherein the cap main body comprises a light-transmissive plate portion having one surface coated with photocatalyst.

10

12. The socket device according to claim 11, wherein the surface of the plate portion coated with the photocatalyst is formed with bumps and dips.

15

20